Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1-52 (canceled)
- 53. (Previously presented) A method to provide information of a system in a network, the method comprising the steps of:

creating a local data structure in a network device with an attached end system; and populating said local data structure with alias information about a locally attached end system identifier and a source port identifier of said network device.

- 54. (Previously presented) The method of claim 53, wherein said step of populating said local data structure is performed in at least one of an implicit manner and an explicit manner.
- 55. (Previously presented) The method of claim 53, wherein said end system identifier includes a MAC address of the attached end system.
- 56. (Previously presented) The method of claim 53, wherein said data structure can further hold additional information identifying at least one of an owner switch, an alias type, a VLAN policy, and a VLAN ID.
- 57. (Currently amended) A method to provide a virtual data structure of a system in a network, the method comprising the steps of:

creating a data structure in a network device with an attached end system;

populating said data structure with alias information <u>about a locally</u> and an attached end system identifier; and

reading data from two or more data structures in a network.

- 58. (Currently amended) The method of claim 57, wherein the said virtual data structure is used to establish an association of a MAC address to alias information for a system in the network.
- 59. (Previously presented) The method of claim 57 wherein said virtual data structure is used to establish an association of a MAC address to an IP address for a system in the network.
- 60. (Previously presented) The method of claim 57 further comprising the step of, locating a device in the network.
- 61. (Previously presented) The method of claim 60, wherein the step of locating includes a step of constructing a query for said virtual data structure to retrieve information to locate the device.
- 62. (Previously presented) The method of claim 60, wherein a location of the device comprises an identifier of a network device having said device locally attached.
- 63. (Previously presented) The method of claim 60, wherein a location of the device comprises a network device and a port identifier of the network device having said device locally attached.
- 64. (Withdrawn) A method to reduce at least one of broadcast traffic and unknown traffic flooding in a network using information held by a virtual data structure, the method comprising the steps of:

receiving at least one of a broadcast frame and an unknown destination frame; and

reading information from the virtual data structure to establish a MAC address destination of at least one of said broadcast frame and said unknown destination frame.

- 65. (Withdrawn) The method of claim 64 further comprising the step of, forwarding at least one of said broadcast frame and said unknown destination frame to said MAC address destination.
- 66. (Withdrawn) The method of claim 64 further comprising the step of, sending information from the virtual data structure to a selected network device to support said selected network device's direct communication with said MAC address destination.
- 67. (Previously presented) A network device comprising,
 - a port to receive network traffic; and
- a data processing mechanism configured to create a local data structure that includes at least alias information about a locally attached end system identifier and a source port identifier of said network device.